

# INTERNATIONAL SEARCH REPORT

International Application No

W03/03493

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L33/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 05, 30 April 1998 (1998-04-30) -& JP 10 012916 A (HITACHI CABLE LTD), 16 January 1998 (1998-01-16) abstract	1
Y		2-13
A		14
X	EP 1 111 689 A (TOKYO SHIBAURA ELECTRIC CO) 27 June 2001 (2001-06-27)	1
Y	paragraph '0030! - paragraph '0033!	2-4
A	paragraph '0047! - paragraph '0064!; figures 1,10A-10D	5-14
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### ° Special categories of cited documents:

- 'A' document defining the general state of the art which is not considered to be of particular relevance
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- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the International filing date but later than the priority date claimed

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Date of the actual completion of the international search

21 July 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23, 10 February 2001 (2001-02-10) -& JP 2001 177158 A (MATSUSHITA ELECTRONICS INDUSTRY CORP), 29 June 2001 (2001-06-29)	5-13
A	Computerübersetzung paragraph '0022! - paragraph '0033!; figures 1-3 -----	1-4, 14
A	EP 1 221 724 A (OSRAM OPTO SEMICONDUCTORS GMBH) 10 July 2002 (2002-07-10) paragraph '0045! - paragraph '0056!; figure 5 -----	1-4
A	US 6 350 668 B1 (CHAKRAVORTY KISHORE K) 26 February 2002 (2002-02-26) column 11, line 5 - line 25; figures 8c, 8d -----	5, 6
A	PATENT ABSTRACTS OF JAPAN vol. 0111, no. 71 (E-512), 2 June 1987 (1987-06-02) -& JP 62 004351 A (TOSHIBA CORP), 10 January 1987 (1987-01-10) abstract -----	10-12
P, X	US 6 495 862 B1 (NITTA KOICHI ET AL) 17 December 2002 (2002-12-17)	1, 2
P, A	column 10, line 11 - column 11, line 21; figure 9 -----	3-14

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